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[Bulletin 252] ?

RESULTS OF SEED TESTS

Made July 1, 1929, to June 30, 1930

This report contains the results of the inspection for the State Department of Agriculture of three hundred seventy-five official samples collected throughout the State during the period from July 1, 1929, to June 30, 1930. These were analyzed and the results mailed to the retail dealers. In addition to these official samples, thirty-five private samples were analyzed, making a total of four hundred ten samples inspected.

The seed law does not prohibit the sale of poor seed but it does require that all seed be labelled to show its quality. The buyer is therefore protected. The purpose of the seed inspection work is to determine, within reasonable limits, whether a sample of seed is as good as it is guaranteed to be.

A certain amount of variation is to be expected in comparing the results of two or more purity analyses. For this reason a "tolerance" or variation is allowed in accordance with the following formula, applied to the guarantee given. The sample is considered as being made up of two parts, the one being the pure seed and the other the balance of the sample. The tolerance in per cent allowed for each part is two-tenths of 1 per cent plus 20 per cent of the lesser part. For instance, if a sample is guaranteed 99.60% pure seed, it may test as low as 99.32% or as high as 99.88% and would be "satisfactory." In the same way, a sample guaranteed 92.80% may test as low as 91.17% or as high as 94.43% and be "satisfactory." If a sample is found to be better than the highest figure in the tolerance, it is marked "Above" in this bulletin; if lower than the lowest figure, the actual figure is reported.

A wider tolerance for germination than for purity is

allowed between the results of the test and the guarantee, as follows:

Guarantee	*Allowable variation*
%	%
90 or over	6
80 or over but less than 90	7
70 or over but less than 80	8
60 or over but less than 70	9
Less than 60	10

Accordingly, a sample guaranteed 92% germination is "satisfactory" if it tests 86% to 98%. A sample guaranteed 85% may fall as low as 78% or as high as 92%. If a sample tests higher than the per cent of variation allowed it is marked "Above" in this bulletin or, if it tests below the variation allowed, the actual figure is reported.

The summary table on the last page will show the general results of the seed inspection work for the year ending June 30, 1930. A large proportion of the samples were found to be satisfactory but in purity more samples of Hungarian and Japanese millet were found to be "below" their guarantees than last year, and in germination the same was true of Japanese millet and Timothy. Last year 88% of all samples were found satisfactory or better in purity and 83% were found satisfactory or better in germination. This year the corresponding figures are 86% and 80%. While these figures perhaps are not alarming, they show a trend in the wrong direction.

The services of Mr. Leroy J. Higgins, Instructor in Agronomy, who ably assisted the writer with the analytical work in the laboratory, are herewith acknowledged.

SEED INSPECTION, 1930

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7725	Alfalfa (White Mtn., Genuine Grimm) Holbrook Grocery Co., Keene	S	99.60	S	91
7755	Alfalfa (Monadnock) Holbrook Grocery Co., Woodsville	S	99	81	90
7687	Alfalfa (Grimm, 27123) Merrimack Farmers' Exc., Inc., Concord	S	99.26	S	93
7481	Alfalfa (Genuine Grimm) F. W. Neal & Co., Dover	S	99.50	S	90
7775	Alfalfa (Grimm, 27129) D. A. Noyes & Son, Colebrook	S	99.58	S	92
7498	Alfalfa (Grimm, 27695) J. H. Seavey, Dover	S	99.64	S	88
7717	Alsike (Liberty, 2685) Abbott Grocery Co., Keene	S	96	S	92
7778	Alsike F. P. Brown, Whitefield	S	98	85	93
7637	Alsike (Liberty, 5157) Chase Grain Mill, Plymouth	S	96.50	S	92.50
7784	Alsike (Super, 271) Clark Richardson, Inc., Lisbon	S	96	S	90
7538	Alsike R. L. Costello, Portsmouth	A	95	S	85
7545	Alsike (Ace, 021614) J. Cushing Co., Portsmouth	A	95	S	90
7703	Alsike (White Mtn., Extra Fancy) Geo. H. Eames & Son, Keene	S	97	S	90
7602	Alsike E. C. Foss Co., Rochester	S	98	S	90
7723	Alsike (White Mtn., Extra Fancy) Holbrook Grocery Co., Keene	S	97	83.5	93
7754	Alsike (XX) Holbrook Grocery Co., Woodsville	A	84	A	85
7612	Alsike (Pan American) Hosmer Bros., Tilton	S	97	S	90
7659	Alsike (Pan American) Keegan & French, Franklin	S	98	S	90
7459	Alsike (2161) McQuesten & Lewis, Manchester	S	97.65	72.5	94
7617	Alsike (Pine Tree, 21449) Meredith Grain Co., Meredith	S	98	S	94
7561	Alsike (Pan American) R. P. Merrill, Hampton Falls	S	97	S	90
7690	Alsike (21569) Merrimack Farmers' Exc., Inc., Concord	S	97.90	S	92
7467	Alsike (Pan American) J. J. Moreau & Son, Manchester	S	97	S	90
7579	Alsike (Pan American) Nashua Grain Co., Nashua	S	97	S	90
7490	Alsike (Eureka) F. W. Neal & Co., Dover	S	98	75	90
7494	Alsike (3433) F. W. Neal & Co., Dover	S	97	73.5	97
7782	Alsike (Pine Tree, 21839-1) D. A. Noyes & Son, Colebrook	A	96.55	S	90
7668	Alsike (Pine Tree, 2120) W. N. Potter Grain Stores, Inc., Winchester	S	98	84	94

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7674	Alsike (Eureka) ..... C. W. Roberts, Meredith	97.99	99	S	90
7672	Alsike (Pan American) ..... H. C. Sanborn, Laconia	S	97	S	90
7534	Alsike (Pan American) ..... S. A. Schurman & Son, Portsmouth	S	98	S	90
7505	Alsike (Imperator) ..... J. H. Seavey, Dover	S	95	S	90
7799	Alsike (Ace, 21809)..... Frank Smith Corp., Lancaster	S	95	S	90
7699	Alsike (Liberty, 2682) ..... C. P. Stevens, Franklin	S	97.04	S	89
7620	Alsike ..... Strafford County Grain Mill, Rochester	A	94.05	S	90
7685	Alsike ..... Strafford County Grain Mill, Rochester	A	97.50	S	96
7480	Alsike ..... A. J. Turcotte, Newmarket	A	96	87	96
7443	Alsike (21633) ..... John B. Varick Co., Manchester	S	99	S	92
7447	Alsike (Pine Tree, 24790) ..... John B. Varick Co., Manchester	S	97	S	93
7748	Alsike (Ace, 2118) ..... F. B. Williams, Enfield	S	95	S	92
7511	Barley (6-row) ..... Bell Hardware Co., Derry	S	98	S	90
7540	Barley (Beardless) ..... R. L. Costello, Portsmouth	S	99	S	85
7458	Barley (2-rowed) ..... John H. Griffin, Newmarket	S	98.38	S	89
7722	Barley (6-row) ..... Holbrook Grocery Co., Keene	S	98.30	S	95
7753	Barley (6-row)..... Holbrook Grocery Co., Woodsville	S	98.36	S	98
7730	Barley (Ball) ..... Hopkins Bros., Belcher Co., Greenfield	S	90.15	41.5	90
7476	Barley (Chevalier, 71127) ..... Jenness Hardware Co., Dover	S	97.20	S	94
7465	Barley (6-row, 71330) ..... Merrimack Farmers' Exc., Manchester	S	99.40	S	95
7515	Barley (6-row, 71355) ..... Merrimack Farmers' Exc., Derry	S	99.28	S	96
7651	Barley (6-rowed, Hygrad) ..... J. H. Morrill, Laconia	S	99	88	97
7484	Barley (2-row, State) ..... F. W. Neal & Co., Dover	S	98	S	90
7492	Barley (6-row) ..... F. W. Neal & Co., Dover	S	99	S	97
7525	Barley (6-row) ..... S. A. Schurman & Son, Portsmouth	S	98	S	90
7497	Barley (6-row) ..... J. H. Seavey, Dover	S	98.31	S	97
7797	Barley (6-row, 71191)..... Frank Smith Corp., Lancaster	S	98	S	97

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7446	Barley (6-rowed) ..... John B. Varick Co., Manchester	S	98	A	74
7696	Barley (6-row, 2707) ..... Whiting Mill, Claremont	S	97	S	92
7747	Barley (6-row, 071384) ..... Woodsville Grain Co., Woodsville	S	99.10	S	95
7556	Barley (6-rowed) ..... W. A. Young, Exeter	S	99.50	S	95
7470	Bluegrass, Kentucky (03294) ..... Manchester Hardware Co., Manchester	S	81.71	66	78
7491	Bluegrass, Kentucky (32,000) ..... J. H. Seavey, Dover	S	82.80	S	65
7439	Bluegrass, Kentucky ..... John B. Varick Co., Manchester	79.98	88	53.5	80
7666	Buckwheat, Japanese (76324) ..... Merrimack Farmers' Exc., Inc., Concord	88.20	99.40	79	90
7526	Buckwheat, Japanese ..... S. A. Schurman & Son, Portsmouth	S	98	S	90
7622	Buckwheat, Japanese (76330) ..... Thompson & Hoague Co., Concord	S	99.53	S	97
7444	Buckwheat, Japanese ..... John B. Varick Co., Manchester	S	99	S	88
7665	Canada Field Peas (85218) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.50	S	92
7536	Canada Field Peas ..... S. A. Schurman & Son, Portsmouth	S	98	S	90
7499	Canada Field Peas (85195) ..... J. H. Seavey, Dover	S	99.50	S	85
7451	Canada Field Peas ..... John B. Varick Co., Manchester	S	98	56	88
7457	Corn (Improved Leaming) ..... J. J. Moreau & Son, Manchester	S	98	S	90
7524	Corn (Golden Bantam) ..... S. A. Schurman & Son, Portsmouth	S	98	S	92
7442	Lawn Grass (Varick's) ..... John B. Varick Co., Manchester	79.89	87	S	83
7744	Millet, Golden (Fancy) ..... F. W. Clark, Wilton	S	98	32.5	90
7570	Millet, Golden ..... J. Cushing Co., Nashua	S	98	68.5	92
7555	Millet, Golden (Fancy) ..... S. A. Dow & Son, North Hampton	S	99	S	90
7676	Millet, Golden (Fancy) ..... Rand & Dearborn, Laconia	S	99	72	90
7532	Millet, Golden (Fancy) ..... S. A. Schurman & Son, Portsmouth	A	98.30	S	90
7516	Millet, Hungarian ..... Bell Hardware Co., Derry	S	99	75	90
7517	Millet, Hungarian (Fancy) ..... Bell Hardware Co., Derry	S	99	70.5	90
7595	Millet, Hungarian ..... P. W. Bragg, Farmington	S	98	77	88
7776	Millet, Hungarian ..... F. P. Brown, Whitefield	S	98	S	82
7641	Millet, Hungarian ..... O. A. Brown, Ashland	S	99	71	84

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed. Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7594	Millet, Hungarian Freeman Carson, Rochester	S	99.14	S	87
7746	Millet, Hungarian (Fancy) Lloyd R. Cummings, Newport	98.26	99	74	90
7581	Millet, Hungarian (4792) J. Cushing Co., Nashua	S	98.18	S	90
7731	Millet, Hungarian J. Cushing Co., Peterboro	S	99.40	S	90
7765	Millet, Hungarian (2911) Depot Store, Inc., Littleton	97.65	99	S	90
7554	Millet, Hungarian (Fancy) S. A. Dow & Son, North Hampton	A	98	68	88
7504	Millet, Hungarian (Fancy, 2434) John H. Griffin, Newmarket	A	99	S	90
7645	Millet, Hungarian Keegan & French, Franklin	S	99	S	90
7677	Millet, Hungarian (XX, 4778) Lewis Bros., Lebanon	S	96	S	80
7695	Millet, Hungarian (4761) C. N. Merrill & Son, Bristol	S	99.30	67.5	88
7688	Millet, Hungarian (47106) Merrimack Farmers' Exc., Inc., Concord	S	98.85	S	90
7710	Millet, Hungarian (47106) Merrimack Farmers' Exc., Inc., Peterboro	S	98.85	S	90
7468	Millet, Hungarian (Fancy) J. J. Moreau & Son, Manchester	S	99	50.5	90
7654	Millet, Hungarian (6663) J. H. Morrill, Laconia	S	99.54	S	82
7477	Millet, Hungarian (Fancy) F. W. Neal & Co., Dover	S	99	59.5	90
7533	Millet, Hungarian (Fancy) S. A. Schurman & Son, Portsmouth	94.12	99	S	90
7506	Millet, Hungarian (4791) J. H. Seavey, Dover	98.54	99.40	71.5	92
7798	Millet, Hungarian (47103) Frank Smith Corp., Lancaster	S	99.38	S	94
7698	Millet, Hungarian (259) C. P. Stevens, Franklin	97.82	98.80	S	88
7682	Millet, Hungarian Strafford County Grain Mill, Rochester	97.08	98.36	S	80
7482	Millet, Hungarian (4791) A. J. Turcotte, Newmarket	A	97	S	90
7429	Millet, Hungarian John B. Varick Co., Manchester	A	96	S	80
7434	Millet, Hungarian (5075) John B. Varick Co., Manchester	S	99.14	S	87
7436	Millet, Hungarian John B. Varick Co., Manchester	S	99.40	S	90
7441	Millet, Hungarian (6663) John B. Varick Co., Manchester	99.04	99.54	S	82
7713	Millet, Japanese (1028) Abbott Grocery Co., Keene	95.21	97.31	S	90
7603	Millet, Japanese Ayers & Jenkins, Rochester	96.66	97.81	S	87

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7655	Millet, Japanese Belknap Co. Farmers' Exchange, Laconia	A	97.52	S	85
7514	Millet, Japanese Bell Hardware Co., Derry	94.27	97	S	90
7523	Millet, Japanese (Fancy) Bell Hardware Co., Derry	94.74	97	S	90
7593	Millet, Japanese P. W. Bragg, Farmington	S	96	S	89
7771	Millet, Japanese G. F. Clement & Son, Lisbon	S	96	S	89
7566	Millet, Japanese (4491) J. Cushing Co., Exeter	S	94.21	S	90
7711	Millet, Japanese J. Cushing Co., Peterboro	S	96.52	61	85
7600	Millet, Japanese (Fancy) E. C. Foss Co., Rochester	A	98	S	90
7646	Millet, Japanese (2472) Gammons Co., Plymouth	S	95.87	S	85.50
7608	Millet, Japanese (2969) C. J. Goss, Lakeport	S	98.96	S	89
7509	Millet, Japanese (Fancy) John H. Griffin, Newmarket	94.19	97	S	90
7707	Millet, Japanese Hamlin Dept. Store, Charlestown	95.62	97	41	95
7582	Millet, Japanese Hill Hardware & Paint Co., Nashua	S	97	S	85
7752	Millet, Japanese Holbrook Grocery Co., Woodsville	S	97.31	70.5	90
7729	Millet, Japanese (Fancy) Hopkins Bros., Belcher Co., Greenfield	94.20	97	S	90
7650	Millet, Japanese (Fancy) Keegan & French, Franklin	S	97	74	90
7644	Millet, Japanese (Fancy) C. N. Merrill & Son, Bristol	88.75	96	S	80
7530	Millet, Japanese (Fancy) R. P. Merrill, Hampton Falls	S	96	73	90
7475	Millet, Japanese (44-13) Merrimack Farmers' Exchange, Manchester	A	96.50	78	90
7563	Millet, Japanese Merrimack Farmers' Exchange, Exeter	93.61	95.90	S	94
7621	Millet, Japanese (4496) Merrimack Farmers' Exchange, Inc., Concord	97.49	98.78	S	90
7487	Millet, Japanese F. W. Neal & Co., Dover	S	97	S	90
7741	Millet, Japanese (44-13) Nelson-Warner Co., Charlestown	97.06	98.62	70	81
7780	Millet, Japanese (4497) D. A. Noyes & Son, Colebrook	S	96.70	S	85
7764	Millet, Japanese (Fancy) Pike & Gale, Littleton	S	98	78	88
7738	Millet, Japanese ((4482) W. N. Potter Grain Stores, Inc., Winchester	S	96.66	S	90

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7673	Millet, Japanese (Fancy) ..... C. W. Roberts, Meredith	96.81	98	S	90
7734	Millet, Japanese (J5C29) ..... Roy & Cook, Winchester	S	97.81	79	90
7529	Millet, Japanese (Fancy, 2333) ..... S. A. Schurman & Son, Portsmouth	97.10	98.40	79.5	90
7496	Millet, Japanese (44-117) ..... J. H. Seavey, Dover	94.97	97	71	85
7795	Millet, Japanese (4495) ..... Frank Smith Corp., Lancaster	92.63	95.90	S	94
7662	Millet, Japanese (4243) ..... C. P. Stevens, Franklin	96.83	98	S	85
7684	Millet, Japanese ..... Strafford County Grain Mill, Rochester	A	97.52	S	85
7489	Millet, Japanese ..... A. J. Turcotte, Newmarket	S	95	73	86
7427	Millet, Japanese (4491) ..... John B. Varick Co., Manchester	93	96.20	S	90
7433	Millet, Japanese (1024) ..... John B. Varick Co., Manchester	S	98.95	S	84
7449	Millet, Japanese ..... John B. Varick Co., Manchester	88.55	97	S	87
7634	Millet, Japanese ..... E. T. Willson, Farmington	S	97.52	S	85
7557	Millet, Japanese (Fancy, 1028) ..... W. A. Young, Exeter	A	97.31	S	90
7569	Oats (Swedish Type) ..... Ayers & Jenkins, Rochester	S	98	S	89
7693	Oats (Barco Brand) ..... A. H. Barney, Franklin	S	99.50	S	96
7522	Oats (Selected) ..... Bell Hardware Co., Derry	S	98	S	90
7584	Oats (Swedish Type, Certi-Seed) ..... Harry G. Brierley, Stratham	S	99.30	S	93
7660	Oats (Swedish Type, White Mtn., Extra Fancy) ..... W. B. Brown, Ashland	S	98.10	S	97
7770	Oats (Selected) ..... G. P. Clement & Son, Lisbon	S	99	S	98
7537	Oats (Swedish Select, 5294) ..... R. L. Costello, Portsmouth	S	97	S	92
7605	Oats (Wirthmore) ..... Farmers' Grain Store, Ashland	S	99	S	97
7709	Oats (Granite State) ..... Goodnow & Derby, Peterboro	S	97	S	95.5
7726	Oats (White Mtn., Heavy Domestic)..... Holbrook Grocery Co., Keene	S	99.26	S	95
7756	Oats (White Mtn., Extra Fancy) ..... Holbrook Grocery Co., Woodsville	S	98	S	93
7454	Oats (Swedish Type, 73377) ..... Merrimack Farmers' Exc., Manchester	S	99.34	S	97
7520	Oats (Natural) ..... Merrimack Farmers' Exc., Derry	S	95	S	95
7493	Oats (Welcome) ..... F. W. Neal & Co., Dover	S	99	S	98
7531	Oats (Pennant Brand) ..... S. A. Schurman & Son, Portsmouth	S	99.50	S	96

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7508	Oats (Swedish Type, 073536) ..... J. H. Seavey, Dover	S	98.36	S	95
7658	Oats (Fancy Selected, 5310) ..... C. P. Stevens, Franklin	S	97	S	92
7430	Oats ..... John B. Varick Co., Manchester	S	99	A	80
7452	Orchard Grass ..... John B. Varick Co., Manchester	79.11	90	S	85
7483	Rape (Dwarf Essex) ..... F. W. Neal & Co., Dover	S	98	S	90
7503	Rape (Dwarf Essex) ..... J. H. Seavey, Dover	S	99.76	S	91
7551	Rape (Dwarf Essex) ..... John B. Varick Co., Manchester	S	99.85	S	95
7732	Red Clover (Medium, Liberty, 5331).... Abbott Grocery Co., Keene	S	99	S	92
7518	Red Clover (Pan American) ..... Bell Hardware Co., Derry	A	98	S	63
7777	Red Clover (Medium, Ace, 24365) .... F. P. Brown, Whitefield	A	99	S	92
7663	Red Clover ..... O. A. Brown, Ashland	A	98	S	92
7692	Red Clover (Medium, White Mtn., Extra Fancy) ..... W. B. Brown, Ashland	A	99	S	92
7592	Red Clover (Medium, Liberty, 5243) Freeman Carson, Rochester	S	99	S	92
7656	Red Clover (Medium, Fullworth) .... Chase Grain Mill, Plymouth	S	99.66	S	90
7745	Red Clover (Pan American, 1276) .... F. W. Clark, Wilton	S	99	S	90
7785	Red Clover (Fullworth, Medium, 9301) Clark Richardson, Inc., Lisbon	S	99.66	S	90
7772	Red Clover ..... G. F. Clement & Son, Lisbon	S	99	S	92
7539	Red Clover (Choice, Foreign) ..... R. L. Costello, Portsmouth	S	98	S	90
7773	Red Clover (Medium, Ace, 241531).... G. B. Currier Co., Colebrook	99.10	99.84	S	94
7548	Red Clover (Medium, Ace, 241211).... J. Cushing Co., Portsmouth	S	98.38	S	90
7573	Red Clover (Medium, Ace, 24122) .... J. Cushing Co., Nashua	S	98.85	A	82
7742	Red Clover (Ace, Domestic, 241211).... J. Cushing Co., Milford	S	98.38	S	90
7768	Red Clover (Pan American, Domestic, 1288) ..... Depot Store, Inc., Littleton	S	99	S	90
7552	Red Clover (Pan American, Domestic, 1234) ..... S. A. Dow & Son, North Hampton	98.31	99	S	90
7606	Red Clover (Liberty, 5243) ..... Farmers' Grain Store, Ashland	S	99	S	88
7597	Red Clover (Pan American) ..... E. C. Foss Co., Rochester	S	98.50	67.5	90
7664	Red Clover (French, 6251) ..... Gammons Co., Plymouth	S	99	60	90
7708	Red Clover (Pan American) ..... Goodnow & Derby, Peterboro	S	98	S	90

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7616	Red Clover (Liberty, 2947) ..... C. J. Goss, Lakeport	S	99	S	88
7762	Red Clover (Pan American, Medium, 1245) ..... C. M. Hildreth & Son, Lebanon	S	99	S	90
7571	Red Clover ..... Hill Hardware & Paint Co., Nashua	A	97.50	S	96
7565	Red Clover (Choice) ..... Hilliard & Kimball, Exeter	S	98.62	S	92
7719	Red Clover (Mammoth, XX) ..... Holbrook Grocery Co., Keene	S	95	72.5	90
7721	Red Clover (Medium, Domestic, Special) ..... Holbrook Grocery Co., Keene	93.62	96	S	90
7750	Red Clover (Domestic, XXX) ..... Holbrook Grocery Co., Woodsville	S	97.32	S	91
7759	Red Clover (Special) ..... Holbrook Grocery Co., Woodsville	A	95	S	90
7706	Red Clover (Pan American) ..... Hopkins Bros., Belcher Co., Greenfield	95.93	98	80.5	92
7638	Red Clover (Pan American, Domestic) Hosmer Bros., Tilton	S	99	S	90
7649	Red Clover (Eureka, French) ..... Hosmer Bros., Tilton	98.47	99.25	S	90
7702	Red Clover (Pan American, Domestic, 1263) ..... Keegan & French, Franklin	S	99	S	90
7455	Red Clover (2495) ..... McQuesten & Lewis, Manchester	S	98	S	91
7472	Red Clover (24209) ..... McQuesten & Lewis, Manchester	S	99.30	S	94
7625	Red Clover (Medium, Domestic, 241369) ..... Meredith Grain Co., Meredith	S	99.36	S	94
7678	Red Clover (Pan American, 1218) .... Meredith Grain Co., Meredith	96.51	99	S	90
7562	Red Clover (Pan American) ..... R. P. Merrill, Hampton Falls	S	98.50	25	90
7460	Red Clover (241504) ..... Merrimack Farmers' Exchange, Manchester	S	99.68	S	95
7464	Red Clover (23511) ..... Merrimack Farmers' Exchange, Manchester	S	99.22	S	92
7689	Red Clover (Pine Tree, Mammoth, 23606) ..... Merrimack Farmers' Exchange, Inc., Concord	S	99.60	S	94
7456	Red Clover (Pan American, Imported) J. J. Moreau & Son, Manchester	S	98.75	S	90
7642	Red Clover (Pine Tree, Medium, 24162) ..... J. H. Morrill, Laconia	S	99.62	S	95
7610	Red Clover (Pan American) ..... Muzzey & Hopkins, Lakeport	S	98	67	98
7783	Red Clover (Pine Tree, Medium, 24410-11) ..... D. A. Noyes & Son, Colebrook	S	99.66	S	93

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7577	Red Clover (Pan American) ..... W. R. Peterson Co., Nashua	S	98	S	90
7736	Red Clover (Medium, Matrix, 2040) W. N. Potter Grain Stores, Inc., Winchester	S	97.72	S	90
7791	Red Clover (Choice) ..... Putney Store Co., Conway	98.14	99	75	96
7675	Red Clover (Pan American, Domestic) Rand & Dearborn, Laconia	S	98.50	S	90
7788	Red Clover (Ace, 24771) ..... A. L. Roberts, Conway	S	98.50	66.5	90
7629	Red Clover (Pan American) ..... H. C. Sanborn, Laconia	97.70	99	S	90
7535	Red Clover (Pan American, Imported) S. A. Schurman & Son, Portsmouth	A	98	77.5	90
7500	Red Clover (Domestic, Imperator, 1215) ..... J. H. Seavey, Dover	S	98	S	90
7640	Red Clover (Medium, Liberty, 5331) C. P. Stevens, Franklin	97.89	99	S	88
7627	Red Clover (Native) ..... Strafford County Grain Mill, Rochester	S	98.62	S	92
7681	Red Clover ..... Strafford County Grain Mill, Rochester	S	99.50	S	96
7619	Red Clover (Ace, Medium, 241493).... Thompson & Hoague Co., Concord	S	98.76	S	90
7438	Red Clover (Imported, 24-444) ..... John B. Varick Co., Manchester	S	99.75	S	94
7445	Red Clover (241559) ..... John B. Varick Co., Manchester	S	99.40	S	95
7448	Red Clover (Medium) ..... John B. Varick Co., Manchester	A	98	S	91
7549	Red Clover (Ace, Domestic, 65741).... John B. Varick Co., Manchester	S	98.80	S	96
7453	Red Clover (Mammoth, Native) ..... John B. Varick Co., Manchester	98.82	99.35	69	92
7739	Red Clover (Pan American, Medium, 1292) ..... H. L. Webster & Son, Canaan	S	99	S	90
7613	Red Clover (Mammoth) ..... Weeks & Smith, Meredith	S	99.25	74	92
7761	Red Clover (Medium, Ace, 24213) ... Woodsville Grain Co., Woodsville	S	98.98	S	91
7559	Red Clover (Pan American, Imported) W. A. Young, Exeter	S	98	S	90
7512	Red Top (Recleaned) ..... Bell Hardware Co., Derry	S	90	S	93
7519	Red Top (Pan American) ..... Bell Hardware Co., Derry	S	92	S	90
7601	Red Top ..... P. W. Bragg, Farmington	S	90	78.5	90
7635	Red Top ..... O. A. Brown, Ashland	S	92	S	94
7636	Red Top (Monadnock) ..... W. B. Brown, Ashland	A	90	77	90
7694	Red Top (Extra Fancy, White Mtn.) W. B. Brown, Ashland	S	95	S	90

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7589	Red Top (Fancy, 2362) ..... Freeman Carson, Rochester	A	93.80	S	90
7596	Red Top (Fancy, 3987) ..... Freeman Carson, Rochester	S	92	78	90
7647	Red Top (Fancy, 3987) ..... Chase Grain Mill, Plymouth	88.46	92	S	90
7541	Red Top (Choice) ..... R. L. Costello, Portsmouth	S	93	S	90
7546	Red Top (Ace, 30357) ..... J. Cushing Co., Portsmouth	S	90	S	90
7727	Red Top (Monadnock, Fancy) ..... J. Cushing Co., Peterboro	S	90	S	90
7740	Red Top (Fancy, 30557) ..... J. Cushing Co., Milford	S	90	S	90
7598	Red Top (Pan American) ..... E. C. Foss Co., Rochester	S	92	77	90
7680	Red Top (Fancy, 6516) ..... C. J. Goss, Lakeport	S	92	74.5	90
7507	Red Top (Pan American) ..... John H. Griffin, Newmarket	S	92	S	90
7568	Red Top (No. 1) ..... Hill Hardware & Paint Co., Nashua	S	90	77	90
7657	Red Top (Pan American) ..... Hosmer Bros., Tilton	S	92	78	90
7588	Red Top (Pan American) ..... J. Jones & Son, Alton	S	92	80	90
7463	Red Top ..... Manchester Hardware Co., Manchester	86.69	90	S	90
7471	Red Top (Pine Tree, 30243) ..... McQuesten & Lewis, Manchester	S	93.20	S	94
7462	Red Top (30301) ..... Merrimack Farmers' Exchange, Manchester	S	92	S	92
7628	Red Top (Ace, Fancy, 30393) ..... Merrimack Farmers' Exc., Inc., Concord	S	90.10	S	90
7466	Red Top (Pan American) ..... J. J. Moreau & Son, Manchester	S	92	81.5	90
7576	Red Top (Pan American) ..... Nashua Grain Co., Nashua	S	92	S	90
7485	Red Top (Pan American) ..... F. W. Neal & Co., Dover	S	92	76.5	90
7574	Red Top (Pan American) ..... W. R. Peterson Co., Nashua	89.33	92	S	90
7792	Red Top ..... J. E. Potter & Son, Conway	S	90	80	90
7790	Red Top (Prime) ..... Putney Store, Inc., Conway	S	90	79.5	90
7618	Red Top (Fancy, 3531) ..... Rand & Dearborn, Laconia	S	91.64	S	90
7615	Red Top (Eureka) ..... C. N. Roberts, Meredith	91.11	95	79	90
7671	Red Top (Pan American) ..... H. C. Sanborn, Laconia	S	92	S	90
7527	Red Top (Pan American) ..... S. A. Schurman & Son, Portsmouth	S	92	S	90
7501	Red Top (Ace, 30175) ..... J. H. Seavey, Dover	S	90	S	89

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7502	Red Top, (Ace, 30292) ..... J. H. Seavey, Dover	S	90	S	90
7793	Red Top (Fancy, 30453) ..... F. B. Spaulding Co., Lancaster	S	92.90	S	90
7700	Red Top (Fancy, 3986) ..... C. P. Stevens, Franklin	S	92	S	90
7683	Red Top (No. 1) ..... Strafford County Grain Mill, Rochester	S	90	S	90
7633	Red Top (Ace, Fancy, 30292) ..... Thompson & Hoague Co., Concord	S	90	S	92
7486	Red Top (Prime, 30292) ..... A. J. Turcotte, Newmarket	85.22	90	S	90
7428	Red Top ..... John B. Varick Co., Manchester	26.45	50	50	65
7432	Red Top (Fancy) ..... John B. Varick Co., Manchester	A	90	S	90
7440	Red Top (Fancy, 30555) ..... John B. Varick Co., Manchester	S	93	S	90
7623	Red Top (No. 1) ..... E. T. Willson, Farmington	S	90	S	90
7558	Red Top (Eureka, 2789) ..... W. A. Young, Exeter	S	95	S	90
7632	Rye (Spring, 74141) ..... Merrimack Farmers' Exc., Inc., Concord	S	95.40	S	85
7580	Rye (Spring) ..... Nashua Grain Co., Nashua	S	98	S	90
7653	Rye (King's Choice, Rosen) ..... C. P. Stevens, Franklin	S	98	S	92
7431	Rye (Spring) ..... John B. Varick Co., Manchester	S	99	S	94
7686	Soy Beans (084-15) ..... Merrimack Farmers' Exc., Inc., Concord	S	99.50	S	94
7724	Sweet Clover (White, Ace) ..... Holbrook Grocery Co., Keene	S	98	S	85
7495	Sweet Clover (White Blossom, 25525) J. H. Seavey, Dover	S	99.28	79.5	90
7450	Sweet Clover (25313) ..... John B. Varick Co., Manchester	S	99	S	85
7712	Timothy (Lark, 5195) ..... Abbott Grocery Co., Keene	S	97	S	86
7714	Timothy (Liberty, 6746) ..... Abbott Grocery Co., Keene	S	99.60	S	92
7733	Timothy (Liberty, 5401) ..... Abbott Grocery Co., Keene	S	99.60	78	90
7604	Timothy (58072) ..... Ayers & Jenkins, Rochester	S	99.65	85	95
7648	Timothy (Gem) ..... Belknap Co. Farmers' Exc., Laconia	S	98	S	92
7513	Timothy (Choice) ..... Bell Hardware Co., Derry	S	99.60	83	92
7521	Timothy (Pan American) ..... Bell Hardware Co., Derry	S	99.60	S	92
7760	Timothy (XX) ..... Boynton & Ellis, Claremont	A	98	80.5	91
7590	Timothy ..... P. W. Bragg, Farmington	A	98	S	97

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7779	Timothy F. P. Brown, Whitefield	S	99.50	S	94
7643	Timothy (Monadnock) W. B. Brown, Ashland	S	99.60	S	94
7691	Timothy (White Mtn., Extra Fancy) W. B. Brown, Ashland	S	99.65	S	92
7591	Timothy (Liberty, 2720) Freeman Carson, Rochester	S	99.60	S	90
7697	Timothy (Matrix, 9529) Chase Grain Mill, Plymouth	S	99.60	S	91
7743	Timothy (Pine Tree) F. W. Clark, Wilton	S	99.65	S	95
7786	Timothy (Fullworth, 9530) Clark Richardson, Inc., Lisbon	S	99.60	S	92
7542	Timothy (Pine Tree, 69686) R. L. Costello, Portsmouth	S	99	S	90
7774	Timothy (Pine Tree, 69617) G. B. Currier Co., Colebrook	S	99.65	S	95
7544	Timothy (Pine Tree, 69926) J. Cushing Co., Portsmouth	S	99.65	S	93
7547	Timothy (Bison, 69636) J. Cushing Co., Portsmouth	S	98	S	90
7716	Timothy (Special) J. Cushing Co., Peterboro	A	97	S	90
7766	Timothy (Liberty, 5286) Depot Store, Inc., Littleton	S	99.60	S	90
7767	Timothy (Gold Medal) Depot Store, Inc., Littleton	99.34	99.75	S	90
7769	Timothy (Herald) Depot Store, Inc., Littleton	A	97	S	90
7553	Timothy (Pan American) S. A. Dow & Son, North Hampton	S	99.60	S	90
7704	Timothy (Monadnock) Geo. H. Eames & Son, Keene	S	99.50	S	94
7586	Timothy Geo. R. Emerson, Farmington	A	98	S	90
7670	Timothy (Liberty, 2720) Farmers' Grain Store, Ashland	S	99.60	S	90
7550	Timothy (Pine Tree, 67257) Fessenden Company, Londonderry	S	99.65	S	94
7599	Timothy (Pan American) E. C. Foss Co., Rochester	S	99.50	S	90
7626	Timothy (Liberty, 5401) C. L. Goss, Lakeport	S	99.60	78.5	90
7510	Timothy (Pan American) John H. Griffin, Newmarket	S	99.60	S	92
7737	Timothy (Pan American, 989) C. M. Hildreth & Son, Lebanon	S	99.60	S	92
7578	Timothy (Bay State) Hill Hardware & Paint Co., Nashua	98.33	99.60	S	94
7564	Timothy (Pine Tree) Hilliard & Kimball, Exeter	S	99.65	S	95
7718	Timothy (XX) Holbrook Grocery Co., Keene	A	98	S	91
7720	Timothy (White Mtn.) Holbrook Grocery Co., Keene	S	99.65	S	92
7728	Timothy (Monadnock) Holbrook Grocery Co., Woodsville	S	99.50	S	94

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7751	Timothy (Pine Tree, 66183) ..... Holbrook Grocery Co., Woodsville	S	99.60	S	94
7757	Timothy (XXX) ..... Holbrook Grocery Co., Woodsville	S	98	72.5	92
7758	Timothy (Special, 776) ..... Holbrook Grocery Co., Woodsville	S	97	73	90
7705	Timothy (Pan American) ..... Hopkins Bros., Belcher Co., Greenfield	S	99.60	S	90
7587	Timothy (Pan American) ..... J. Jones & Son, Alton	S	99.60	S	90
7639	Timothy (Pan American) ..... Keegan & French, Franklin	S	99.60	S	90
7715	Timothy (Special) ..... Lewis Bros., Lebanon	A	97	72	90
7474	Timothy (69557) ..... Manchester Hardware Co., Manchester	S	99.65	S	95
7473	Timothy (Pine Tree, 39999) ..... McQuesten & Lewis, Manchester	S	99.60	S	93
7607	Timothy (Pan American) ..... Meredith Grain Co., Meredith	S	99.60	S	90
7679	Timothy (Pine Tree, 68354) ..... Meredith Grain Co., Meredith	S	99.60	S	95
7661	Timothy (Pine Tree, 66797) ..... C. H. Merrill & Son, Bristol	S	99.60	S	93
7461	Timothy (69630) ..... Merrimack Farmers' Exchange, Manchester	S	99.65	S	95
7469	Timothy (Pan American) ..... J. J. Moreau & Son, Manchester	S	99.60	S	90
7652	Timothy (Pine Tree, 69858) ..... J. H. Morrill, Laconia	S	99.65	S	94
7624	Timothy (Pan American) ..... Muzzey & Hopkins, Lakeport	S	99.60	S	92
7567	Timothy (Pan American) ..... Nashua Grain Co., Nashua	S	99.60	S	90
7488	Timothy (Pan American) ..... F. W. Neal & Co., Dover	S	99.60	S	90
7781	Timothy (Pine Tree, 66134) ..... D. A. Noyes & Son, Colebrook	S	99.65	S	94
7572	Timothy (Pan American) ..... W. R. Peterson Co., Nashua	S	99.60	S	90
7575	Timothy (Pan American) ..... W. R. Peterson Co., Nashua	S	99.60	S	92
7763	Timothy (Pan American) ..... Pike & Gale, Littleton	S	99.60	S	90
7735	Timothy (Pine Tree, 66063) ..... W. N. Potter Grain Stores, Inc., Winchester	S	99.65	S	94
7789	Timothy (Prime) ..... Putney Store Co., Conway	95.86	99.50	S	94
7614	Timothy (Monadnock) ..... A. M. Rand, Plymouth	S	99.60	S	94
7609	Timothy (Liberty, 6604) ..... Rand & Dearborn, Laconia	S	99.60	S	95.50
7787	Timothy ..... A. L. Roberts, Conway	A	98	S	97

A=Above S=Satisfactory

SEED INSPECTION, 1930 — Continued

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		Found	Guaranteed	Found	Guaranteed
7630	Timothy (Gold Medal) ..... C. N. Roberts, Meredith	S	99.75	S	92
7611	Timothy (Pan American) ..... H. C. Sanborn, Laconia	S	99.60	S	90
7528	Timothy (Pan American) ..... S. A. Schurman & Son, Portsmouth	S	99.60	S	90
7796	Timothy (Pine Tree, 66099) ..... Frank Smith Corp., Lancaster	S	99.65	S	94
7794	Timothy (Pine Tree, 66107) ..... F. B. Spaulding Co., Lancaster	S	99.65	S	94
7701	Timothy (Liberty, 5268) ..... C. P. Stevens, Franklin	S	99.60	S	90
7631	Timothy (Bay State) ..... Strafford County Grain Mill, Rochester	S	99.65	S	95
7667	Timothy (Pine Tree, 69630) ..... Thompson & Hoague Co., Concord	S	99.65	S	95
7478	Timothy (Prime, 69698) ..... A. J. Turcotte, Newmarket	S	98	S	90
7479	Timothy (68683) ..... A. J. Turcotte, Newmarket	S	98	S	91
7425	Timothy (68039) ..... John B. Varick Co., Manchester	S	98	S	91
7426	Timothy (Durham) ..... John B. Varick Co., Manchester	S	99	S	91
7437	Timothy (Pine Tree, 68920) ..... John B. Varick Co., Manchester	S	99.60	81	94
7560	Vetch, Winter ..... John B. Varick Co., Manchester	S	98.03	S	92
7585	White Clover (Choice) ..... Capitol Hardware Co., Concord	93.28	96	S	90
7543	White Clover ..... R. L. Costello, Portsmouth	S	96	S	90
7583	White Clover (3152) ..... Hill Hardware & Paint Co., Nashua	S	97.36	S	83
7749	White Clover (White Mtn.) ..... Holbrook Grocery Co., Woodsville	S6.14	90	S	92
7669	White Clover (02612) ..... Thompson & Hoague Co., Concord	S	97.45	A	85
7435	White Clover (Fancy) ..... John B. Varick Co., Manchester	S	97	S	90

A=Above S=Satisfactory

SUMMARY TABLE

Showing General Results of Seed Inspection Work
for the year ending June 30, 1930

Kind of Seed	Number of Samples	Purity Compared to Guarantee			Germination Compared to Guarantee		
		Above	Satisfactory	Below	Above	Satisfactory	Below
Alfalfa	6	0	6	0	0	5	1
Alsike	34	7	26	1	1	26	7
Barley	19	0	19	0	1	16	2
Bluegrass, Kentucky	3	0	2	1	0	1	2
Buckwheat	4	0	3	1	0	3	1
Canada Field Peas	4	0	4	0	0	3	1
Corn	2	0	2	0	0	2	0
Lawn Grass	1	0	0	1	0	1	0
Millet, Golden	5	1	4	0	0	2	3
Millet, Hungarian	30	4	19	7	0	20	10
Millet, Japanese	41	5	18	18	0	29	12
Oats	18	0	18	0	1	17	0
Orchard Grass	1	0	0	1	0	1	0
Rape	3	0	3	0	0	3	0
Red Clover	66	8	48	10	1	54	11
Red Top	45	3	36	6	0	31	14
Rye	4	0	4	0	0	4	0
Soy Beans	1	0	1	0	0	1	0
Sweet Clover	3	0	3	0	0	2	1
Timothy	78	8	67	3	0	69	9
Vetch	1	0	1	0	0	1	0
White Clover	6	0	4	2	1	5	0
Total	375	36	288	51	5	296	74